

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A displacement ~~Displacement~~ device for producing a rotary movement, comprising:

with a drive element,

an output element which can be adjusted in angle by ~~operating a~~ the drive element, ~~and with~~

a load torque lock which is mounted between the drive element and the output element and which blocks torque introduced from the output element on an output side through force-locking engagement ~~torque introduced on the output side~~ and transfers torque introduced from the drive element on ~~[[the]]~~ a drive side to the output element, wherein the load torque lock includes rigid locking elements, and

~~more particularly for window winders or seat adjusters in vehicles, characterised in that between the drive element (2) and the load torque lock (1) and/or between the output element (3) and the load torque lock (1) there is a play compensating device (5) which compensates the~~ a torsion angle play between the drive element (2), the output element (3) and the load torque lock, wherein the play compensating device is located at least one of between the drive element and the load torque lock and between the output element and the load torque lock (1).

2. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1, wherein:

~~characterised in that~~ the load torque lock ~~(1)~~ has at least two locking elements ~~(4, 4')~~ mounted in a cylindrical displacement housing,

~~(10), that clamping faces (43) of the~~ at least two locking elements ~~(4, 4')~~ each having clamping faces which adjoin the displacement housing ~~(10)~~ under the effect of the play compensating device ~~(5)~~, and such that torque introduced ~~on~~ by the output ~~side~~ element intensifies the bearing contact of the locking elements ~~(4, 4')~~ against the displacement housing ~~(10)~~.

3. (Currently Amended) The displacement ~~Displacement~~ device according to claim 2 wherein:

~~characterised in that~~ the at least two locking elements have opposing expanding faces and the play compensating device ~~(5)~~ is mounted at least in part between the opposing expanding faces ~~(41) of the locking elements (4, 4')~~ and presses the locking elements ~~(4, 4')~~ apart with such force that the clamping faces ~~(43)~~ of the locking elements ~~(4, 4')~~ adjoin the displacement housing ~~(10)~~ with predetermined pretension.

4. (Currently Amended) The displacement ~~Displacement~~ device according to claim 2 or 3 wherein:

~~characterised in that~~ the play compensating device ~~(5)~~ is guided in the drive element ~~(2)~~ and is connected to a spring ~~(50)~~ which pretensions the play compensating device ~~(5)~~ in the a play compensating direction.

5. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1 wherein:

~~characterised in that~~ the at least two locking elements ~~(4, 4')~~ are biased with a pretensioning force against ~~the~~ a play compensating direction.

6. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1, ~~characterized in that the play compensating device consists of at least one wedge (5a) mounted between the~~ comprising at least two locking elements with expanding faces, wherein:

~~(41a) of the locking elements (4a, 4a'),~~ the drive element has a wedge slide guide,

the play compensating device has at least one wedge with the wedge faces (51a) set opposite the expanding faces (41a) of the locking elements (4a, 4a') and guided displaceable with and a wedge guide (52a) , the wedge mounted between the expanding faces of the at least two locking elements with the wedge faces set opposite the expanding faces of the locking elements and guided displaceable with the wedge guide in positive locking engagement in a the wedge slide guide (20a) of the drive element (2a) and pretensioned radially by means of a spring (50a) so that the wedge faces (51a) adjoin the expanding faces (41a) free of play.

7. (Currently Amended) The displacement ~~Displacement~~ device according to claim 6 wherein:

~~characterised in that~~ the material matching of the expanding faces ~~(41a)~~ and the wedge faces ~~(51a)~~ on one side and ~~the~~ active faces of the wedge guide ~~(52a)~~ and wedge slide guide

(20a) of the drive element (2a) on the other side is such that in the absence of any drive torque the expanding faces (41a) can move the wedge (5a) against the action of the spring (50a) and that in the event of strain on the drive side of the wedge (5a) is held in its position.

8. (Currently Amended) The displacement ~~Displacement~~ device according to claim 7 wherein:

~~characterised in that~~ α is the wedge angle α which the wedge faces (51a) include between themselves, $\sigma_{sperr,min}$ is the minimum friction angle, $\sigma_{sperr,min}$ and $\sigma_{sperr,max}$ is the maximum friction angle $\sigma_{sperr,max}$ between the wedge faces (51a) and the expanding faces, $\sigma_{antr,min}$ is (41a) ~~as well as~~ the minimum friction angle $\sigma_{antr,min}$ between the wedge guide (52a) and the wedge slide guide (20a) ~~meet and~~ the following conditions are met

$$2 * \sigma_{sperr,max} < \alpha$$

$$\sigma_{antr,min} + \sigma_{sperr,min} > \alpha/2$$

in which $\sigma = \arctan \mu$ and μ is the friction value between the friction faces formed from ~~the surface pairings wedge/expanding face and wedge guide/slide guide faces~~ the wedge faces in the case of $\sigma_{sperr,max}$ and $\sigma_{sperr,min}$ and the active faces of the wedge guide and wedge slide guide in the case of $\sigma_{antr,min}$.

9. (Currently Amended) The displacement ~~Displacement~~ device according to claim 8 wherein:

~~characterised in that~~ the wedge guide (52b) is arranged radially off-set from the expanding faces (41b) of the locking elements (4b, 4b').

10. (Currently Amended) The displacement ~~Displacement~~ device according to ~~at least one~~ any of the preceding claims 6 to 9 wherein:

~~characterised in that~~ the expanding faces ~~(41e)~~ of the locking elements ~~(4e, 4e')~~ or the wedge faces ~~(51e)~~ are formed ball-shaped.

11. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1 wherein:

~~characterised in that~~ the locking elements have expanding faces which are one of flat or ball-shaped, and

the play compensating device ~~consists of~~ has at least one of a cylindrical shaped roller or a ball ~~(5d)~~ mounted between the expanding faces ~~(41d)~~ of the locking elements ~~(4d, 4d')~~, with the one of a roller or ball having a guide ~~(52d)~~ mounted in a slide guide ~~(20d)~~ of the drive element ~~(2d)~~ and having its outer surface adjoining ~~with linear or spot contact free of play~~ against the flat or ball-shaped expanding faces ~~(41d)~~ of the locking elements ~~(4d, 4d')~~ ~~without play~~.

12. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1 wherein:

~~characterised in that~~ the locking elements have expanding faces, and

the play compensating device ~~consists of~~ has at least one eccentric ~~(5e)~~ mounted rotatable between the expanding faces ~~(41e)~~ of the locking elements ~~(4e, 4e')~~ and formed as a stepped bolt mounted with an eccentric pin ~~(52e)~~ in a bore ~~(20e)~~ of the drive element ~~(2e)~~ and pretensioned radially by a torsion spring

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so that the eccentric faces ~~(51e)~~ adjoin the expanding faces ~~(41e)~~ of the locking elements ~~(4e, 4e')~~ without play.

13. (Currently Amended) The displacement ~~Displacement~~ device according to claim 12 wherein:

~~characterised in that through the shaping and/or surface~~
~~quality~~ the eccentric faces ~~(52e)~~ adjoin have one of a shape or
surface quality, such that the eccentric faces adjoin the
expanding faces ~~(41e)~~ of the locking elements ~~(4e, 4e')~~ and the
eccentric pin ~~(52e)~~ is connected with the drive element ~~(2e)~~ so
that when the drive element ~~(2e)~~ is operated the eccentric ~~(5e)~~
is blocked and does not impede the movement of the locking
elements ~~(4e, 4e')~~.

14. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1, ~~characterised by~~ comprising two pairs of locking elements ~~(4f to 4i)~~ mounted in superimposed planes in the axial direction of the load torque lock ~~(1f to 1i)~~ of a the displacement device for both rotary directions of the displacement device, and ~~by one~~ comprising a drive element formed as a follower disc ~~(2f to 2i)~~ having radial preferably ~~diametrically~~ opposing slits ~~(20f to 20i)~~ for holding the play compensating device ~~(5f to 5i; 7f to 7; 81f, 82f; 81h, 82h; 81i, 82i)~~.

15. (Currently Amended) The displacement ~~Displacement~~ device according to claim 14 wherein:

~~characterised in that~~ the follower disc has slide guides
and the locking elements have recesses with wedge-shaped stop
faces,

the play compensating device has two wedges ~~(5g, 5g')~~ with wedge guides and wedge faces, the wedges being arranged in the slide guides (20g, 20g') of the follower disc (2g) and in recesses ~~(44g, 44g', 44g'', 44g''')~~ of the locking elements ~~(4g, 4g')~~, wherein the wedge guides ~~(52g, 52g')~~ of the wedges are mounted in the slide guides ~~(20g, 20g')~~ of the follower disc (2g) and the wedge faces ~~51g, 51g')~~ on each side adjoin wedge-shaped stop faces of the recesses ~~(44g, 44g', 44g'', 44g''')~~ of the ~~superimposed~~ superposed pairs of locking elements ~~(4g, 4g', 4g'', 4g''')~~ and in the event of radial displacement in the slide guides ~~(20g, 20g')~~ of the follower disc (2g) exert a force acting circumferentially on the locking elements ~~(4g, 4g', 4g'', 4g''')~~.

16. (Currently Amended) The displacement ~~Displacement~~ device according to claim 15 ~~characterised in that stop faces (41g, 41g', 41g'', 41g''')~~ on the output side of further comprising locking element springs which couple the locking elements (4g, 4g', 4g'', 4g''') of ~~one~~ a first plane ~~press against locking element springs (6g, 6g')~~ which couple the ~~locking elements (4g, 4g', 4g'', 4g''')~~ of ~~one plane~~ with the output element, wherein: (3g).

the locking elements of the first plane each have an output side with stop faces and the stop faces on the output side of the locking elements press against locking element springs which couple the locking elements of the first plane with the output element.

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17. (Currently Amended) The displacement ~~Displacement~~ device according to claim 14 ~~characterised in that~~ further comprising an output axis, wherein:

the locking elements have expanding faces with stops on the expanding faces,

the play compensating device consists of ~~has~~ wedges ~~(5f, 5h, 5i)~~ with wedge faces, the wedges mounted radially displaceable on the follower disc, ~~(2f, 2h, 2i)~~ and ~~of~~ has scissor arms ~~(81f, 82f, 81h, 82h, 81i, 82i)~~ mounted rotatable about the output axis, ~~(30)~~ and spread apart by the wedge faces ~~(51f, 51h, 51i)~~ of the wedges (5f, 5h, 5i) to adjoin by their the scissor arms have radial stops adjacent to adjoining the displacement housing, and spread apart by the wedge faces of the wedges to adjoin ~~(10)~~ the stops (46f) on the expanding faces of the locking elements (4f, 4h, 4i) by their radial stops.

18. (Currently Amended) The displacement ~~Displacement~~ device according to claim 17 wherein:

~~characterised in that the angle between the contact bearing faces of the scissor arms (81f, 82f, 81h, 82h, 81i, 82i) and the centre~~ have contact bearing faces and the wedges have a center axis such that an angle between the contact bearing faces of the scissor arms and the center axis of the wedges (5f, 5h, 5i) create a self-locking action between the wedges ~~(5f, 5h, 5i)~~ and the follower disc ~~(2f, 2h, 2i)~~.

19. (Currently Amended) The displacement ~~Displacement~~ device according to claim 17 or 18 wherein:

~~characterised in that~~ the angle including the wedge faces ~~(51f, 51h, 51i)~~ of the wedges ~~(5f, 5h, 5i)~~ and the surface

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quality of the wedge faces ~~(51f, 51h, 51i)~~ and the bearing faces of the scissor arms ~~(81f, 82f, 81h, 82h, 81i, 82i)~~ create no self-locking action between the wedges ~~(5f, 5h, 5i)~~ and the scissor arms ~~(81f, 82f, 81h, 82h, 81i, 82i)~~.

20. (Currently Amended) The displacement ~~Displacement~~ device according to claim 14 ~~characterised by a~~ comprising a wedge with a wedge guide, wherein:

the follower disc has a slide guide and a radial surface quality of one of the wedge guide ~~(52f to 52i)~~ of the wedges ~~(5f to 5i)~~ ~~and/or of~~ and the slide ~~guides~~ guide of the follower disc ~~(2f to 2i)~~ ~~which (surface quality)~~ assists in the self-locking action.

21. (Currently Amended) The displacement ~~Displacement~~ device according to claim 17 wherein:

~~characterised in that the contact bearing faces of the~~ scissor arms ~~(81f, 82f, 81h, 82h, 81i, 82i)~~ have contact bearing faces which are formed convex at least in part and adjoin flat or convex wedge faces ~~(51f, 51h, 51i)~~.

22. (Currently Amended) The displacement ~~Displacement~~ device according to claim 14 ~~characterised by~~ further comprising an output axis, wherein the play compensating device has wedges and spring elements (7f to 7i) moving the wedges (5f to 5i) in the direction of the output axis (30).

23. (Currently Amended) The displacement ~~Displacement~~ device according to claim 22 wherein:

characterised in that the wedges have end faces facing the displacement housing and the spring elements are formed from

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compression springs ~~(7f to 7i)~~ which are mounted between the displacement housing ~~(10)~~ and the end faces of the wedges ~~(5f to 5i)~~ facing the displacement housing ~~(10)~~.

24. (Currently Amended) The displacement ~~Displacement~~ device according to claim 22 ~~characterised in that~~ comprising two diametrically opposing wedges with end faces opposite the displacement housing and wherein:

the spring elements are yoke or formed springs ~~(7i)~~ which engage with angled ends ~~(71i, 72i)~~ in recesses ~~(55i, 55i')~~ at the end faces of diametrically opposing wedges ~~(5i, 5i')~~ ~~opposite the displacement housing (10)~~.

25. (Currently Amended) The displacement ~~Displacement~~ device according to claim 22 wherein:

~~characterised in that~~ the spring elements ~~consist of~~ are wire springs ~~(7h, 7h'; 7k, 7k'; 7l, 7l')~~ whose ends are supported in one of recesses ~~(54h, 54')~~ of the wedge faces ~~(51h, 51h')~~ ~~or on~~ and fastenings of the wedges ~~(5k, 5k'; 5l, 5l')~~.

26. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1 ~~characterised by~~ comprising a rod-like drive element ~~(2m, 2n)~~, a hollow cylindrical output element ~~(3m, 3n)~~ enclosing the rod-like drive element ~~(2m, 2n)~~, two pairs of locking elements ~~(4m, 4m'; 4n, 4n')~~ in superposed planes of the load torque lock ~~(1m, 1n)~~ mounted between the output element ~~(3m, 3n)~~ and the displacement housing ~~(10)~~ in each plane, spring elements ~~(6m, 6n)~~ mounted between expanding faces ~~(41m, 41m'; 41n, 41n')~~ of the locking elements ~~(4m, 4m'; 4n, 4n')~~ in each plane and bringing the clamping faces of the locking elements both to bear against the displacement housing (10) and also

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through rotation of the locking elements ~~(4m, 4m'; 4n, 4n')~~ in the displacement housing, the locking elements ~~(10)~~ to bear against contact bearing points ~~(A, B)~~ of the output element ~~(3m, 3n)~~, a wedge ~~(5m, 5n)~~ whose wedge faces ~~(51m, 51m'; 51n, 51n')~~ adjoin the expanding faces ~~(41m, 41m'; 41n, 41n')~~ of the locking elements ~~(4m, 4m'; 4n, 4n')~~ which are opposite the expanding faces ~~(41m, 41m'; 41n, 41n')~~ adjoined by the locking element springs ~~(6m, 6n)~~ wherein the wedge ~~(5m, 5n)~~ has a bore or recess in which the drive element ~~(2m, 2n)~~ is pushed, and a spring ~~(7m, 7n)~~ pretensioning the wedge ~~(5m, 5n)~~ against the expanding faces ~~(41m, 41m'; 41n, 41n')~~ of the locking elements ~~(4m, 4m'; 4n, 4n')~~.

27. (Currently Amended) The displacement ~~Displacement~~ device according to claim 26 wherein:

~~characterised in that the wedge faces (51m, 51m'; 51n, 51n')~~ by selecting one of the wedge angle, the spring constant of the spring ~~(7m, 7n)~~ and/or and the friction index between the expanding faces ~~(41m, 41m'; 41n, 41n')~~ of the locking elements ~~(4m, 4m'; 4n, 4n')~~ and of the wedge ~~(7m, 7n)~~, the wedge faces adjoin the expanding faces ~~(41m, 41m'; 41n, 41n')~~ of the locking elements ~~(4m, 4m'; 4n, 4n')~~ so that there is no self-locking action between the locking elements ~~(4m, 4m'; 4n, 4n')~~ and the wedge ~~(7m, 7n)~~.

28. (Currently Amended) The displacement ~~Displacement~~ device according to claim 1 wherein:

~~characterised in that~~ the drive element ~~(2)~~ has claws which with torque on the drive side after lifting the friction locking contact of the locking elements ~~(4, 4')~~ against the displacement

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housing (10) engage with positive locking connection into recesses of the output element and entrain this in the drive direction.

29. (Currently Amended) The displacement ~~Displacement~~ device according to claim 2 wherein: ~~1 characterised in that~~

the drive element (2) has recesses which ~~in the event of torque on the drive side after lifting the friction locking contact of the locking elements (4, 4') against the displacement housing (10) adjoin with keyed connection against the claws of the output element and entrain~~ the output element in the drive direction in the event of torque on the drive side after lifting friction-locking contact of the locking elements against the displacement housing ~~this in the drive direction.~~